



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/650,724 | 08/29/2003 | Ko-Chun Wang | 110338.124US1 | 7720 |

24395 7590 04/28/2006

WILMER CUTLER PICKERING HALE AND DORR LLP
THE WILLARD OFFICE BUILDING
1455 PENNSYLVANIA AVE, NW
WASHINGTON, DC 20004

| |
|----------|
| EXAMINER |
|----------|

KLIMOWICZ, WILLIAM JOSEPH

| | |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
|----------|--------------|

2627

DATE MAILED: 04/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/650,724

Applicant(s)

WANG, KO-CHUN

Examiner

William J. Klimowicz

Art Unit

2627

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 August 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. ____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____

DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

The drawings are objected to because with regard to Figure **2A**, a lead line is not depicted from the designator **27** to the spindle motor.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

The disclosure is objected to because of the following informalities:

With regard to page 5, line 16 bridging line 17, the reference designator **19** appears to disclose a ***lower slot*** in the left side of tray **16**, into which the rail **12** is inserted - see Figure 3 of Applicant's specification, and not another rail as currently recited in lines 16-17 of page 5. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3, 5-7 and 9-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Choi et al. (US 2003/0117928 A1).

As per claims 1, 5 and 9, Choi et al. (US 2003/0117928 A1) discloses an anti-vibration tray support structure in an optical disc player (FIG. 5), said anti-vibration tray support structure comprising: a tray (130) including two slots in a bottom side thereof (see FIG. 7); two rails (e.g., 180, 190, which include elements 192, 192, 181 and 182) employed to support said two slots, respectively; and an elastic holder (e.g., 186a and/or 195b and/or 196b) (i.e., at least one elastic holder as per claim 5) installed beside one of said two rails (180, 190), said elastic holder

Art Unit: 2627

(e.g., 186a and/or 195b and/or 196b) contacting one side of said tray (130) to provide a proper force against vibration.

As per claims 2, 6 and 10, wherein said two rails are made by plastic casting - see paragraph [0023].

As per claims 3, 7 and 11, wherein said elastic holder (e.g., 186a and/or 195b and/or 196b) is made by plastic casting - see paragraph [0023].

Additionally, as per claim 9, the optical disc player is provided with the aforementioned tray anti-vibration structure/function comprising: said tray (130) supporting an optical disc; a laser pickup head (160); and a spindle motor (150) employed to rotate said optical disc so as to allow said laser pickup head (160) to read said optical disc.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 4, 8 and 12 rejected under 35 U.S.C. 103(a) as being unpatentable over Choi et al. (US 2003/0117928 A1).

See the description of Choi et al. (US 2003/0117928 A1), *supra*.

Art Unit: 2627

As per claims 4, 8 and 12, Choi et al. (US 2003/0117928 A1) does not expressly disclose wherein said elastic holder (e.g., 186a and/or 195b and/or 196b) is a metal elastic apparatus.

Official notice is taken that elastically biased members analogous to the elastic holders of Choi et al. (US 2003/0117928 A1), which are formed of metal, are notoriously old and well known and ubiquitous in the art; such Officially noticed fact being capable of instant and unquestionable demonstration as being well-known.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the elastic holder (e.g., 186a and/or 195b and/or 196b) of Choi et al. (US 2003/0117928 A1) as being of a conventional and ubiquitous metal elastic (in lieu of plastic elastic).

The rationale is as follows: one of ordinary skill in the art would have been motivated to provide the elastic holder (e.g., 186a and/or 195b and/or 196b) of Choi et al. (US 2003/0117928 A1) as being of a conventional and ubiquitous metal elastic (in lieu of plastic elastic) in order to minimize plastic deformation, chipping of the plastic, etc. Additionally, it is noted that plastic elastic and metallic elastics produce the same function, operate in the same way and are utilized to obtain the same result. Moreover, the substituted metallic elastic and plastic elastic apparatuses are art recognized equivalents, and substituting one for the other, absent any evidence of criticality, is considered to be an obvious expedient.

Conclusion

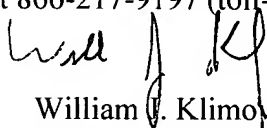
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 2627

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William J. Klimowicz whose telephone number is (571) 272-7577. The examiner can normally be reached on Monday-Thursday (6:30AM-5:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa Thi Nguyen can be reached on (571) 272-7579. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


William J. Klimowicz
Primary Examiner
Art Unit 2627

WJK